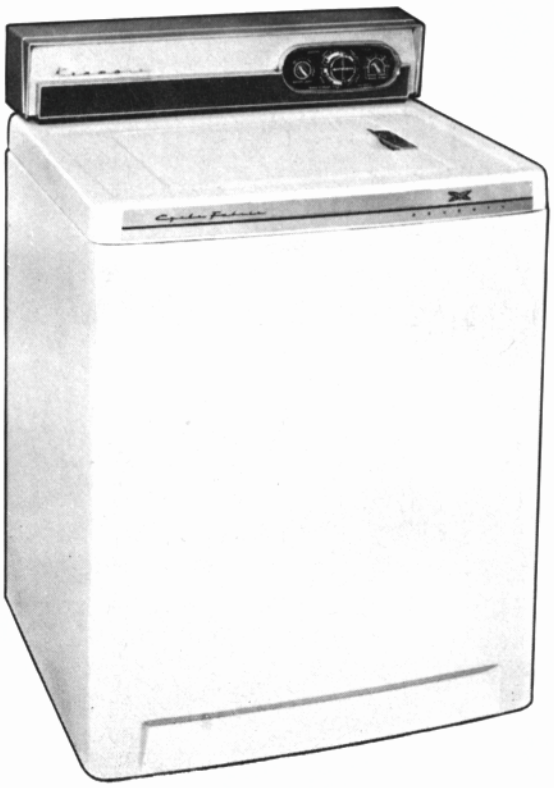
PARTS LIST for

Kenmore



AUTOMATIC WASHER

Non-Suds Models

110.5904700
110.5904750

Suds Models

110.5905700
110.5905750

KENMORE — Sold and Serviced Nationally by

SEARS, ROEBUCK AND CO.

92476 Rev. A 12-58 Printed in U.S.A.

HOW TO ORDER PARTS

All parts listed herein may be ordered through any Sears Retail or Mail Order Store which serves the territory in which you live. Selling prices will be furnished on request or parts will be shipped at prevailing prices and you will be billed accordingly.

When ordering, always give the following information:

1. **Part Number in this list. (Never order by Key Number)**
2. **Part Name in this list.**
3. **Model Number, which will be found on a plate on the back of the cabinet.**

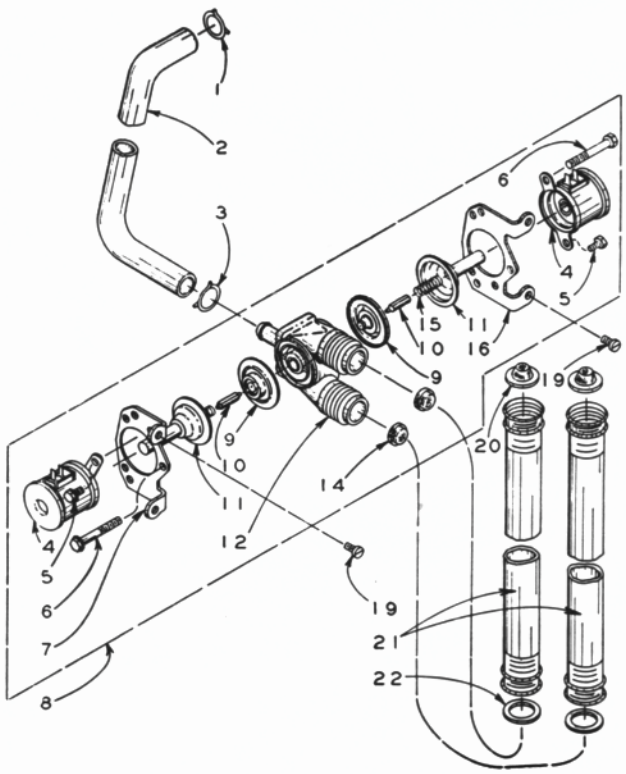
MIXING VALVE ASSEMBLY

The complete valve assemblies shown below and on the facing page are interchangeable. Order individual replacement parts which pertain to the valve on your machine.

Key Number	Part Number	Description
		MIXING VALVE ASSEMBLY
1	272847	Hose Clamp
2	91303	Water Inlet Hose
3	272845	Hose Clamp
4	99134	Coil Assembly (2 Req'd)
5	*99250	Screw (2 Req'd)
6	*99251	Clamping Screw (3 Req'd)
7	99249	Mounting Bracket
8	80948	Water Mixing Valve Assembly
9	99131	Poppet (2 Req'd)
10	99130	Armature, Poppet (2 Req'd)
11	99128	Solenoid Housing (2 Req'd)
12	99293	Valve Body
14	99254	Strainer (2 Req'd)
15	99129	Armature Spring (2 Req'd)
16	99252	Mounting Bracket
19	*98853	No. 10-32 x 3/8 Self Tapping Screw (2 Req'd)
20	21092	Filter Washer (2 Req'd)
21	76314	Water Inlet Hose Assembly (2 Req'd)
22	*16123	Rubber Washer (2 Req'd)

*Standard Hardware Item—
May Be Purchased Locally

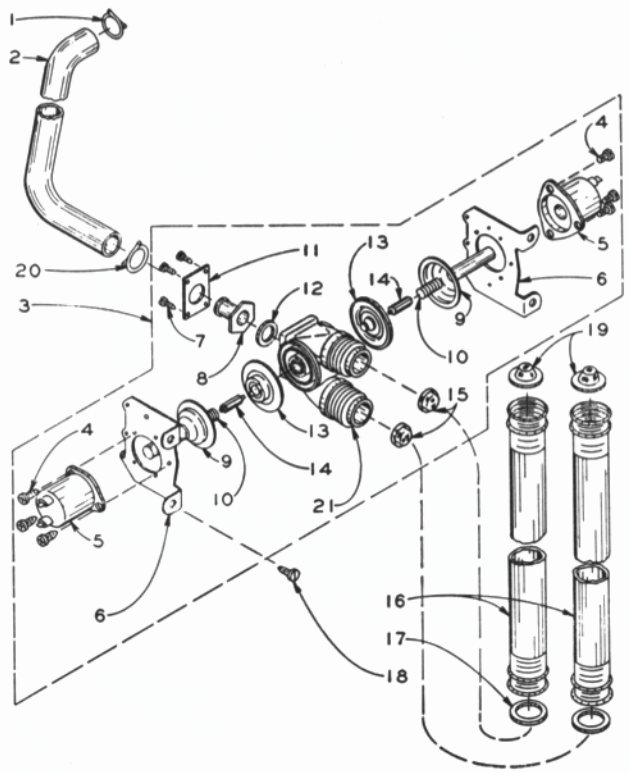
FULTON SYLPHON



MIXING VALVE ASSEMBLY

The complete valve assemblies shown below and on the facing page are interchangeable. Order individual replacement parts which pertain to the valve on your machine.

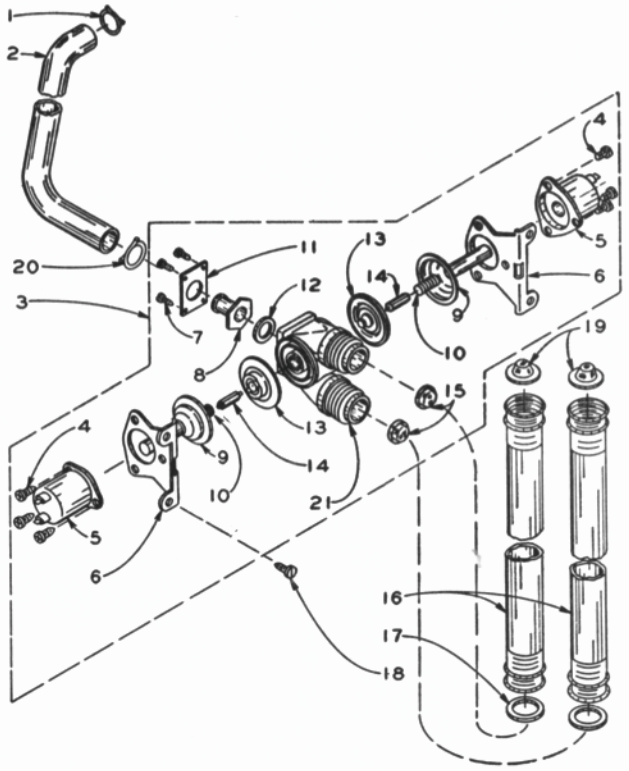
DOLE



Key Number	Part Number	Description
		MIXING VALVE ASSEMBLY
1	272847	Hose Clamp
2	91303	Water Inlet Hose
3	81035	Mixing Valve Assembly
4	*99314	Solenoid Screw (6 Req'd)
5	76661	Valve Coil Assembly (2 Req'd)
6	99315	Solenoid Bracket (2 Req'd)
7	99319	Outlet Screws (4 Req'd)
8	99320	Outlet
9	10728	Solenoid Housing (2 Req'd)
10	10727	Armature Spring (2 Req'd)
11	99321	Retaining Plate
12	99318	Outlet Gasket
13	76662	Diaphragm Assembly (2 Req'd)
14	10726	Armature (2 Req'd)
15	99317	Strainer (2 Req'd)
16	76314	Inlet Hose Assembly (2 Req'd)
17	*16123	Rubber Washer (2 Req'd)
18	*98853	No. 10-32 x 3/8 Self Tapping Screw (2 Req'd)
19	21092	Filter Washer (2 Req'd)
20	272845	Hose Clamp
21	99316	Body Assembly

*Standard Hardware Item—
May Be Purchased Locally

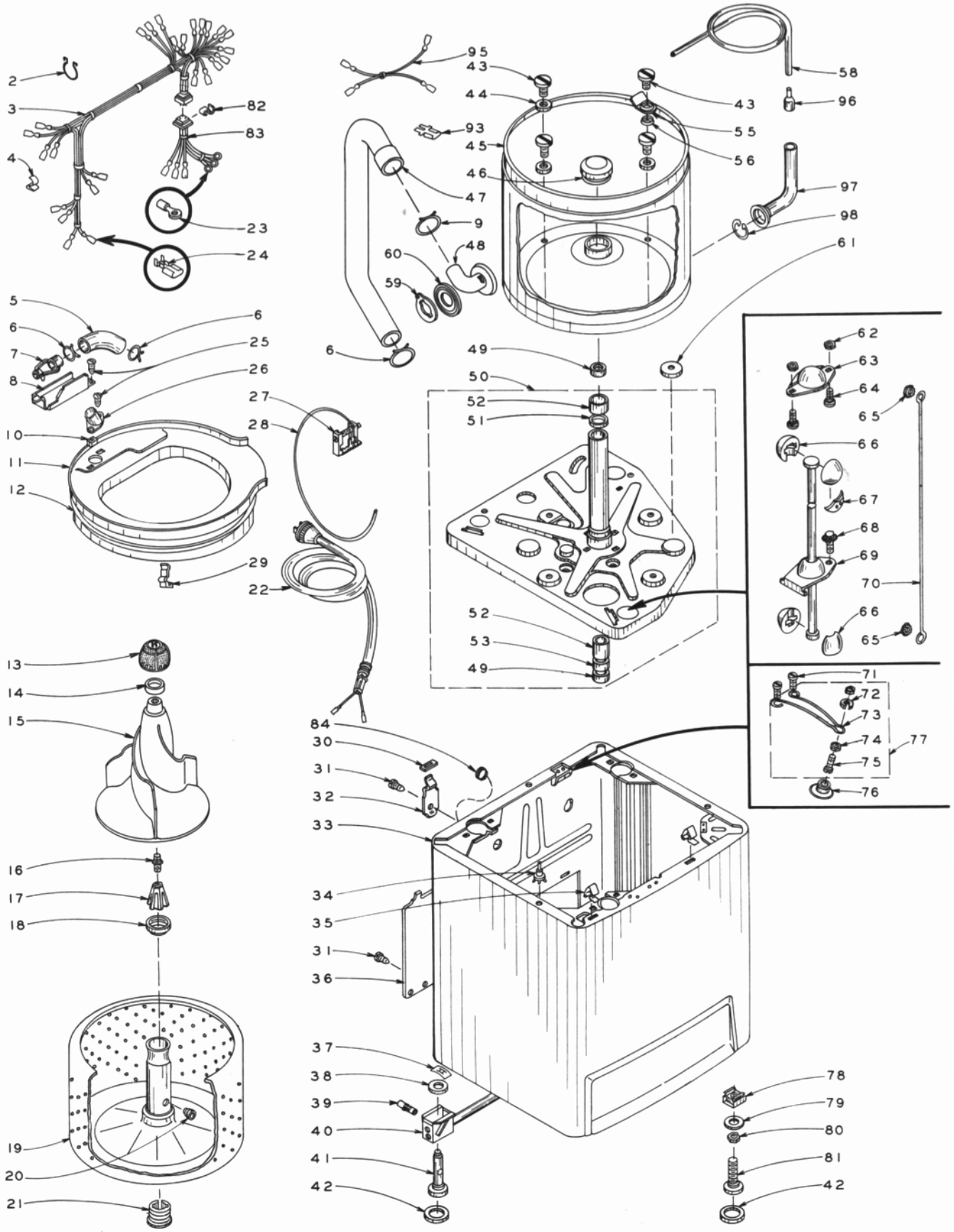
DETROIT CONTROLS



Key Number	Part Number	Description
		MIXING VALVE ASSEMBLY
1	272847	Hose Clamp
2	91303	Water Inlet Hose
3	80947	Mixing Valve Assembly
4	*90862	No. 8-18 x 1/2 Self Tapping Screw (6 Req'd)
5	76661	Valve Coil Assembly (2 Req'd)
6	99349	Solenoid Bracket (2 Req'd)
7	*99351	No. 8 x 7/16 Self Tapping Screw (4 Req'd)
8	99350	Outlet
9	10728	Solenoid Guide (2 Req'd)
10	10727	Armature Spring (2 Req'd)
11	99353	Outlet Retainer
12	99301	Outlet Gasket
13	76662	Diaphragm (2 Req'd)
14	10726	Armature (2 Req'd)
15	99223	Inlet Screen (2 Req'd)
16	76314	Inlet Hose Assembly (2 Req'd)
17	*16123	Rubber Washer (2 Req'd)
18	*98853	No. 10-32 x 3/8 Self Tapping Screw (2 Req'd)
19	21092	Filter Washer (2 Req'd)
20	272845	Hose Clamp
21	99352	Body Assembly

*Standard Hardware Item—
May Be Purchased Locally

MACHINE SUB-ASSEMBLY



MACHINE SUB-ASSEMBLY

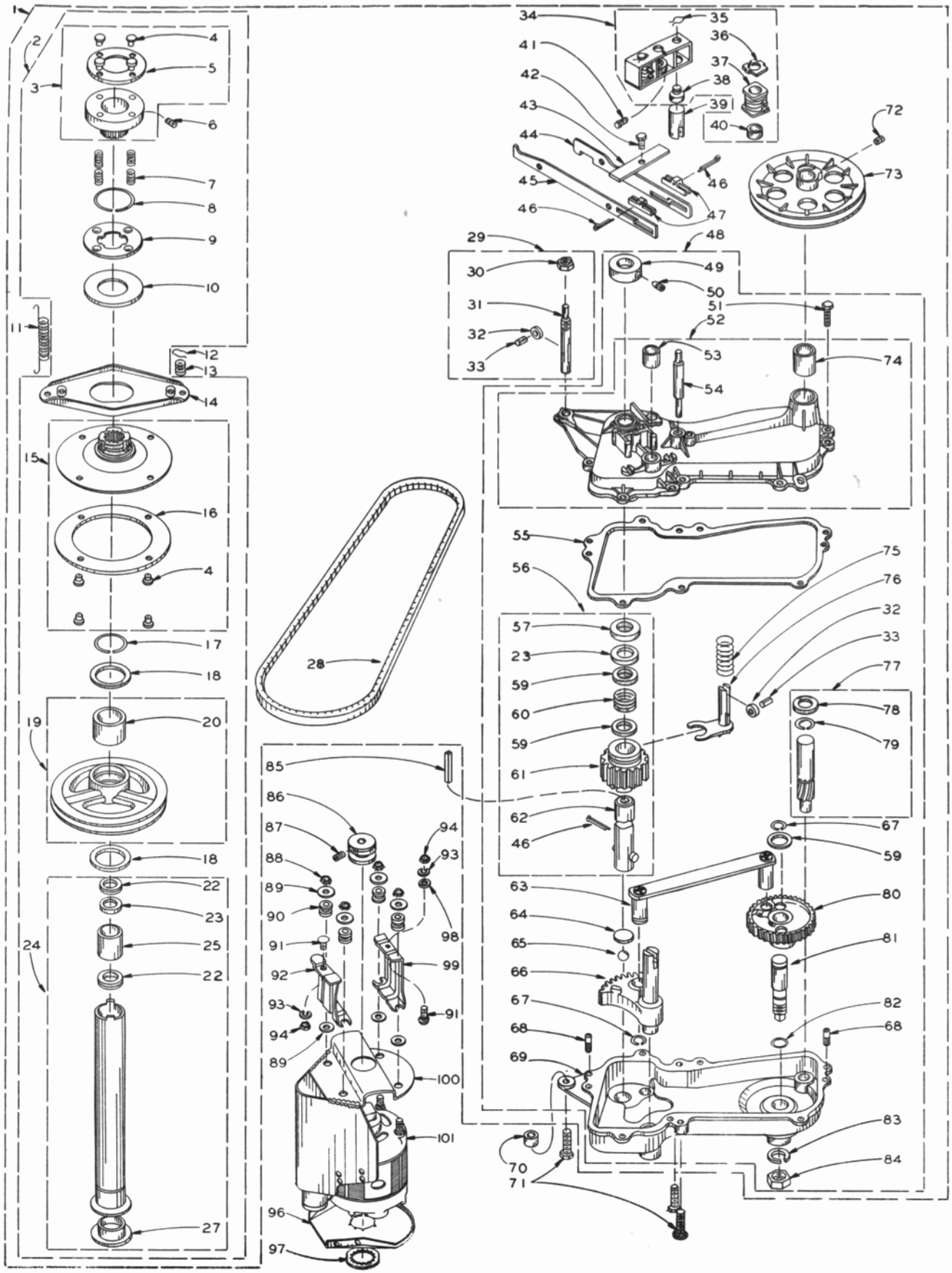
Key Number	Part Number	Description
		MACHINE SUB-ASSEMBLY
2	16515	Harness Clip (6)
3	81521	Wiring Harness
4	19107	Harness Clip (2)
5	91824	Water Inlet Hose
6	272853	Hose Clamp (3)
7	91284	Water Inlet
8	92180	Spray Shield
9	272855	Hose Clamp
10	90408	Speed Clip (2)
11	91191	Tub Ring
12	91188	Tub Ring Rubber
13	81689	Agitator Cap
14	17626	Agitator Cap Sleeve
15	16811	Agitator
16	14134	Shaft Stud
17	16209	Agitator Drive Collar
18	21366	Basket Lock Nut
19	76403	Basket
20	21265	Stopper (2)
21	91890	Basket Drive Tube Block
22	92669	Power Cord Assembly—120/240 Volt
23	10856	Eyelet Terminal
24	90593	Spade Terminal
25	*145136	No. 10 x 5/8 Screw (2)
26	91285	Water Inlet Adaptor
27	75300	Ground Clamp
28	16324	Ground Wire
29	91187	Clip (4)
30	18849	Hinge Pad (2)
31	*90464	No. 10 x 1/2 Screw (4)
32	92657	Hinge (2)
33	81446	Cabinet (Models 110.5904700 and 110.5905700)
	81442	Cabinet—Porcelain (Models 110.5904750 and 110.5905750)
34	90980	Locator Rivet (2)
35	18776	Top Lock (2)
36	85279	Rear Panel
37	90290	Speed Clip (2)
38	17544	Friction Washer (2)
39	98806	Knurled Pin (2)
40	75587	Leveling Link
41	21126	Rear Foot (2)
42	85114	Rubber Boot (4)
43	19021	Ring Screw (4)
44	21365	Rubber Washer (3)
45	81393	Tub
46	21050	Gasket
47	92272	Recirculating Hose
48	52721	Drain Funnel
49	91938	Shaft Seal (2)
50	76527	Base Plate and Center Post
51	54209	Seal
52	54207	Center Post Bearing (2)
53	92094	Sleeve
55	92401	Baffle
56	92400	Rubber Washer
58	18623	Tubing
59	50926	Lock Washer
60	50909	Gasket
61	17235	Tub Gasket (4)
62	*271184	5/16-18 Nut (6)
63	91016	Socket Cap (3)
64	*126358	5/16-18 x 1 Bolt (6)
65	*138485	3/16 Lock Washer (2)
66	91072	Suspension Ball Half (12)
67	17267	Suspension Bracket Insert (3)
68	*425594	5/16-24 x 1 1/4 Screw (3)
69	75581	Suspension Rod (3)
70	92254	Ground Wire
71	*98957	No. 14 x 1/2 Screw (2)
72	*121637	1/4 Lock Washer
73	21057	Snubber Spring
74	*120367	1/4-28 Nut (2)
75	19033	Adjustment Screw
76	80892	Snubber Pad
77	76485	Snubber Spring
78	98829	Speed Nut (2)
79	*120390	9/16 Washer (2)
80	*120238	1/2-13 Nut (2)
81	16586	Front Foot (2)
82	54113	Harness Clip (2)
83	81518	Wiring Harness—Lower
84	98814	Plug Button (2 for Models 110.5904750 and 110.5905750)
93	98860	Terminal Adaptor (Suds Model)
95	81656	Two-Way Valve Harness (Suds Model)
96	18624	Connector
97	17288	Hose
98	17228	Retainer Ring

Following Parts Not Illustrated

76089	Transformer—240 Volt
80106	Power Cord Extension—240 Volt
85502	Transformer Bracket—240 Volt
92453	Installation Instruction Sheet
92476	Parts List
92477	Wiring Diagram Label
92725	Instruction Booklet

*Standard Hardware Item—May Be Purchased Locally

GEAR CASE AND SUPERSTRUCTURE ASSEMBLY

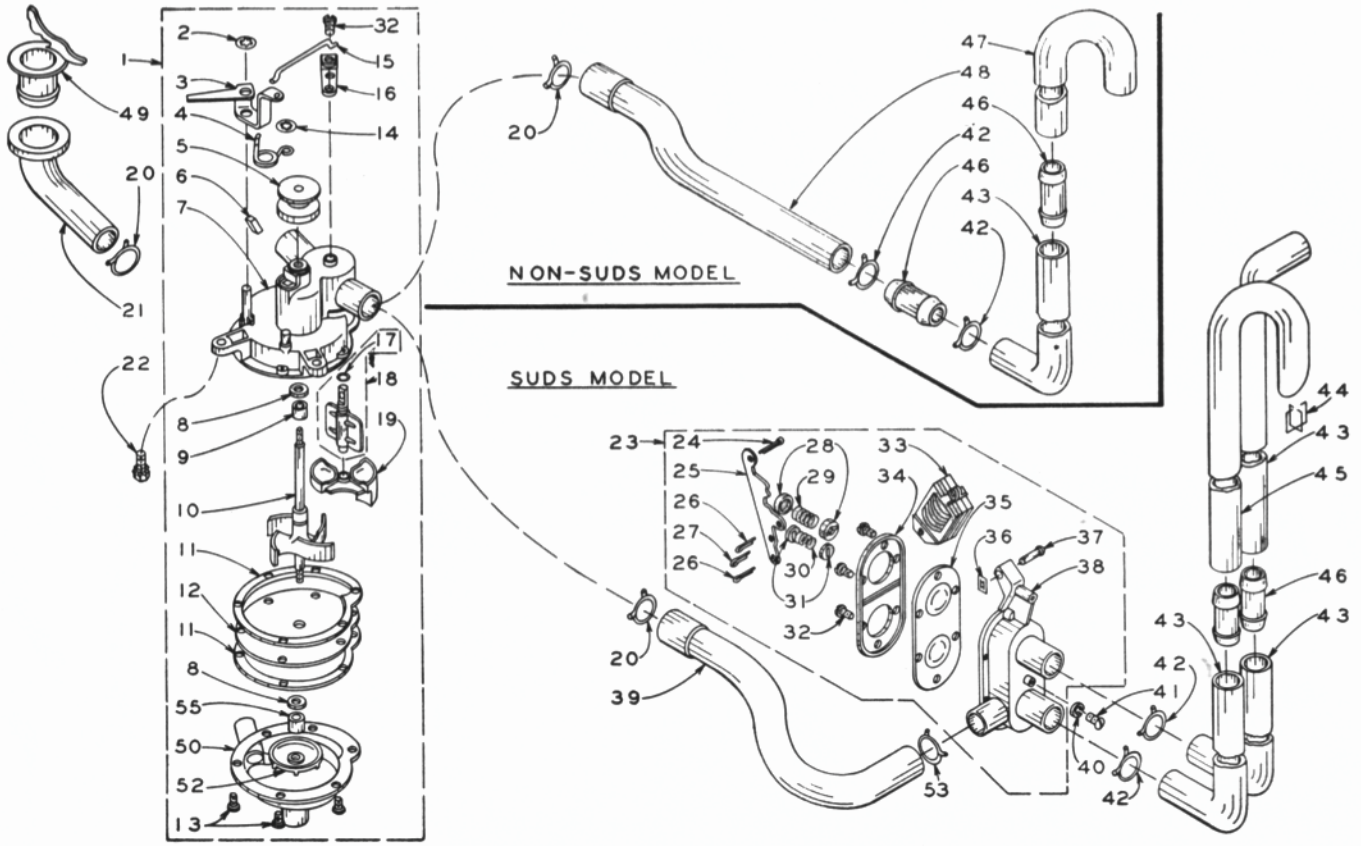


GEAR CASE AND SUPERSTRUCTURE ASSEMBLY

Key Number	Part Number	Description
		GEAR CASE AND SUPERSTRUCTURE ASSEMBLY
1	76529	Gear Case and Superstructure Assembly
2	76219	Basket Drive and Brake Assembly
3	75078	Brake Drum Assembly
4	90683	Tubular Rivet (8 Req'd)
5	16039	Basket Brake Lining
6	*90880	5/16-18 x 3/4 Set Screw
7	19049	Basket Drive Spring (4 Req'd)
8	16049	Snap Ring
9	18929	Lower Brake Drum
10	21094	Lining
11	17261	Brake Shoe Yoke Spring
12	52097	Retainer Spring
13	52446	Control Rod Spring
14	18744	Brake Yoke
15	76217	Basket Drive Disc Assembly
16	16038	Basket Drive Disc Lining
17	90368	Retainer Ring
18	16304	Thrust Washer (2 Req'd)
19	75076	Basket Drive Pulley and Bearing Assembly
20	16033	Bearing
22	91939	Oil Seal (2 Req'd)
23	8419	Packing Washer (2 Req'd)
24	76674	Drive Tube Assembly
25	17250	Upper Agitator Bearing
27	19438	Thrust Bearing
28	16192	1/2 x 47 1/2 Inch "V" Belt (60 Cycle)
	91261	1/2 x 48 1/2 Inch "V" Belt (50 Cycle)
29	76220	Basket Clutch Shaft Assembly
30	*90715	1/2-20 Self Locking Hex Nut
31	18930	Basket Clutch Shaft
32	16010	Shaft Roller (2 Req'd)
33	90532	Roller Pin (2 Req'd)
34	76483	Control Magnet Assembly
35	90515	Retainer Spring (2 Req'd)
36	85501	Support Spring (2 Req'd)
37	75791	Solenoid Assembly (2 Req'd)
38	85499	Core (2 Req'd)
39	16241	Plunger (2 Req'd)
40	85500	Sleeve (2 Req'd)
41	16135	Taper End Screw
42	*177355	1/4-28 x 1/2 Hex Hd. Cap Screw
43	16167	Cam Bar Brake Spring
44	18642	Agitator and Pump Cam
45	16051	Basket Cam
46	*90456	1/8 x 1 Cotter Pin (3 Req'd)
47	16255	Cam Bar Guide (2 Req'd)
48	76530	Gear Case Assembly
49	16044	Basket Support Collar
50	*90208	5/16-24 x 1/2 Set Screw
51	*120741	5/16-24 x 3/4 Hex Hd. Cap Screw (7 Req'd)
52	76531	Gear Case Cover Assembly
53	5676	Bearing
54	17269	Brake Shoe Yoke Support
55	16002	Gear Case Gasket
56	75088	Agitator Shaft Assembly
57	16007	Agitator Shaft Oil Seal
59	85162	Retaining Washer (3 Req'd)
60	5028	Spring
61	17553	Agitator Shaft Gear
62	76686	Agitator Shaft and Pin Assembly
63	76577	Connecting Rod Assembly
64	16018	Thrust Bearing
65	85529	3/8 Dia. Ball Bearing
66	75073	Gear Sector and Shaft Assembly
67	52083	Snap Ring (2 Req'd)
68	5018	Dowel Pin (2 Req'd)
69	16000	Gear Case
70	92429	Gear Case Support Spacer
71	*90877	3/8-24 x 2 Hex Hd. Cap Screw (3 Req'd)
72	*90881	5/16-18 x 1/2 Set Screw
73	17298	Agitator Drive Pulley
74	16308	Main Drive Pinion Bushing
75	16015	Agitator Shaft Fork Spring
76	81684	Agitator Gear Fork and Shaft Assembly
77	75089	Main Drive Pinion Assembly
78	16024	Tension Washer
79	90369	Retaining Ring
80	16307	Main Drive Gear
81	91175	Main Drive Gear Stud
82	91176	"O" Ring
83	*103334	5/8 Lock Washer
84	*114498	5/8-18 Hex Jam Nut
85	16612	Oil Wick
86	230932	Motor Pulley (50 Cycle)
	85337	Motor Pulley (60 Cycle)
87	*90196	1/4-28 x 5/16 Set Screw (50 Cycle)
	*90879	5/16-24 x 1/2 Set Screw (60 Cycle)
88	271169	No. 10-32 Self Locking Hex Nut (4 Req'd)
89	92217	Washer (8 Req'd)
90	19138	Rubber Grommet (4 Req'd)
91	*126227	3/8-16 x 3/4 Carriage Bolt (2 Req'd)
92	85288	Motor Mounting Bracket (Pivoting)
93	*120381	3/8 Lock Washer (2 Req'd)
94	*120377	3/8-16 Hex Nut (2 Req'd)
96	91868	Motor Shield—Bottom
97	98892	Retaining Clip (As Req'd)
98	120388	3/8 Washer
99	85286	Motor Mounting Bracket (Adjusting)
100	92456	Motor Shield
101	99611	Motor Assembly (60 Cycle)
	81908	Motor Assembly (50 Cycle)

*Standard Hardware Item—May Be Purchased Locally

WATER SYSTEM

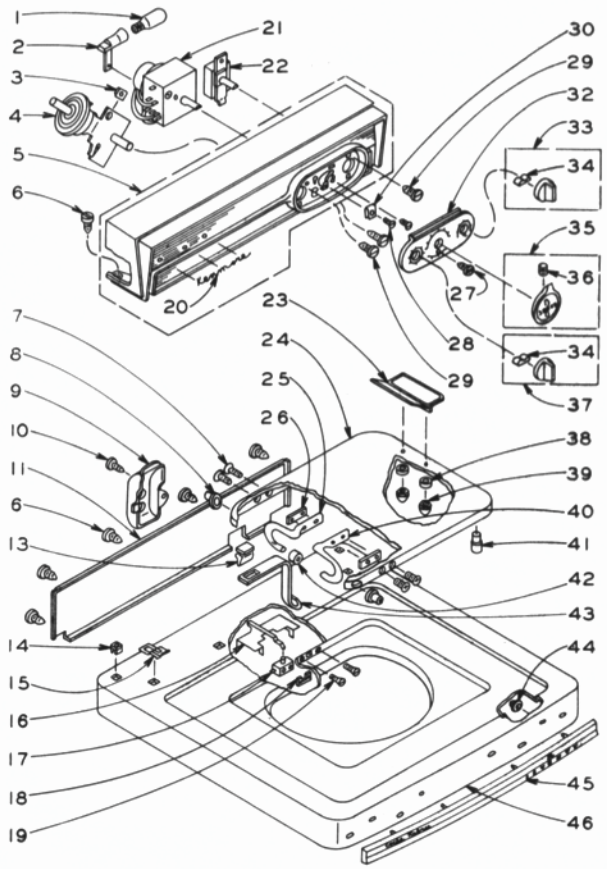


Key Number	Part Number	Description
		WATER SYSTEM
1	80745	Pump Assembly
2	90013	Stud Clip
3	91332	Lever
4	21103	Toggle Spring
5	16113	Pump Pulley
6	21108	Oil Wick
7	76508	Pump Body and Bushing Assembly
8	16310	Water Seal Washer (2 Req'd)
9	16311	Water Seal Face
10	80746	Impeller and Shaft Assembly
11	21106	Pump Cover Gasket (2 Req'd)
12	91861	Pump Cover Plate
13	*90994	No. 8-32 x 3/4 Self Tapping Screw (6 Req'd)
14	90033	Retaining Ring
15	21104	Connecting Rod
16	21109	Valve Lever
17	21102	"O" Ring
18	80912	Flapper and "O" Ring Assembly
19	21110	Insert
20	272858	Hose Clamp
21	21113	Tub Outlet Hose
22	*431938	5/16-18 x 1 Self Locking Hex Hd. Screw (2 Req'd)
23	75618	Two-way Valve Assembly
24	*90456	1/8 x 1 Cotter Pin
25	16292	Operating Lever
26	*90222	3/32 x 1/2 Cotter Pin (2 Req'd)
27	*90236	1/8 x 5/8 Cotter Pin

Key Number	Part Number	Description
28	16299	Cup Washer (2 Req'd)
29	16291	Spring
30	16287	Valve Spring
31	16295	Valve Spring Washer (2 Req'd)
32	*90518	No. 8-32 x 5/8 Self Tapping Screw (7 Req'd)
33	75615	Solenoid Assembly
34	16293	Valve Cover
35	75183	Diaphragm Assembly
36	90296	Push-on Clip
37	451637	Rivet
38	85205	Valve Body
39	21115	Hose
40	*121637	1/4 Lock Washer
41	*177355	1/4-28 x 1/2 Machine Screw
42	52269	Hose Clamp
43	91182	Outlet Hose Section
44	16268	Hose Strainer
45	91273	Discharge Hose Gooseneck
46	16272	Hose Connector
47	91183	Discharge Hose Gooseneck
48	21114	Hose
49	92286	Tub Outlet
50	91768	Pump Housing
52	92344	Impeller
53	*272857	Hose Clamp
55	91860	Water Seal Tube

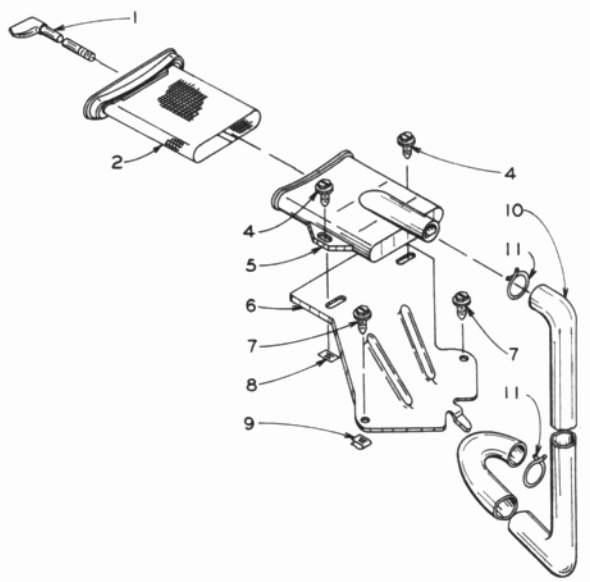
*Standard Hardware Item—
May Be Purchased Locally

TOP AND CONSOLE ASSEMBLY



Key Number	Part Number	Description
		TOP AND CONSOLE ASSEMBLY
1	91681	Lamp
2	232945	Socket
3	90800	Speed Clip
4	81515	Water Level Control Switch
5	239569	Console
6	*90866	No. 10-24 x 1/2 Screw (8)
7	18724	Screw and Washer (4)
8	21258	Bearing (2)
9	91993	Harness Guard
10	*98881	No. 10 x 5/8 Screw
11	92680	Console Rear Panel
13	91452	Lid Spring Bumper
14	90005	Snap-in Nut (2)
15	92129	Clip (4)
16	21018	Lever
17	75958	Lid Switch
18	21367	Insulator
19	21047	Screw and Washer (2)
20	232936	Kenmore Script
21	81893	Timer—60 Cycle
	81898	Timer—50 Cycle
22	81430	Water Temperature Control Switch
23	92002	Handle
24	92197	Lid—Porcelain
25	91770	Hinge
26	21097	Hinge Pad (2)
27	*487210	No. 10-32 x 1/4 Screw
28	*424333	No. 10-32 x 5/16 Screw (2)
29	*90767	No. 8 x 3/8 Screw (3)
30	232988	Clip
32	81812	Escutcheon (Suds Model)
	81813	Escutcheon (Non-Suds Model)
33	81719	Water Temperature Control Knob
34	98846	Compression Clip (2)
35	81734	Timer Knob
36	90186	No. 10-32 x 1/4 Screw
37	81718	Water Level Control Knob
38	14351	Fibre Washer (2)
39	*131546	No. 10-32 Acorn Nut (2)
40	91368	Hinge
41	17258	Rubber Bumper (2)
42	19119	Bumper
43	91454	Spring
44	98875	Trim Nut (8)
45	232614	Trim
46	92481	Machine Top—Porcelain

*Standard Hardware Item—
May Be Purchased Locally



FILTER ASSEMBLY

Key Number	Part Number	Description
		FILTER ASSEMBLY
1	80959	Filter Latch
2	80955	Filter
4	*98881	No. 10 x 5/8 Screw (2)
5	80956	Filter Housing
6	91714	Filter Bracket
7	*90876	No. 10 x 3/4 Screw (2)
8	90416	Push-on Clip (2)
9	90919	Speed Clip (2)
10	91769	Hose
11	272853	Hose Clamp (2)

*Standard Hardware Item—
May Be Purchased Locally

automatic washer

TYPICAL INSTALLATION INSTRUCTIONS

NOTE: Top of Set Tub Must Be a Minimum of 34 Inches From Base of Machine.

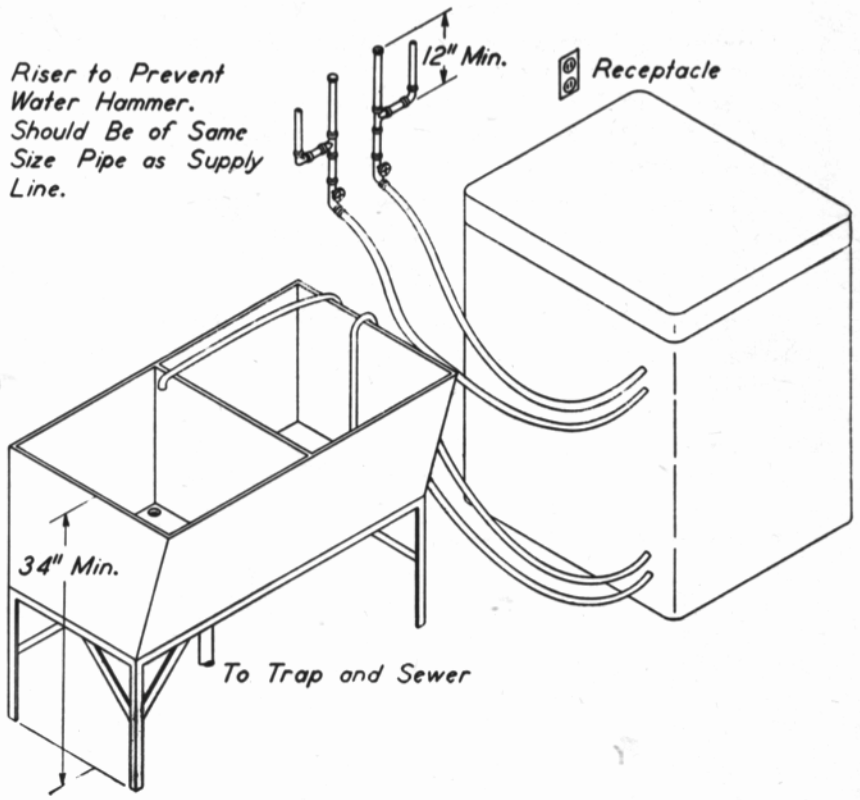


Figure 1.

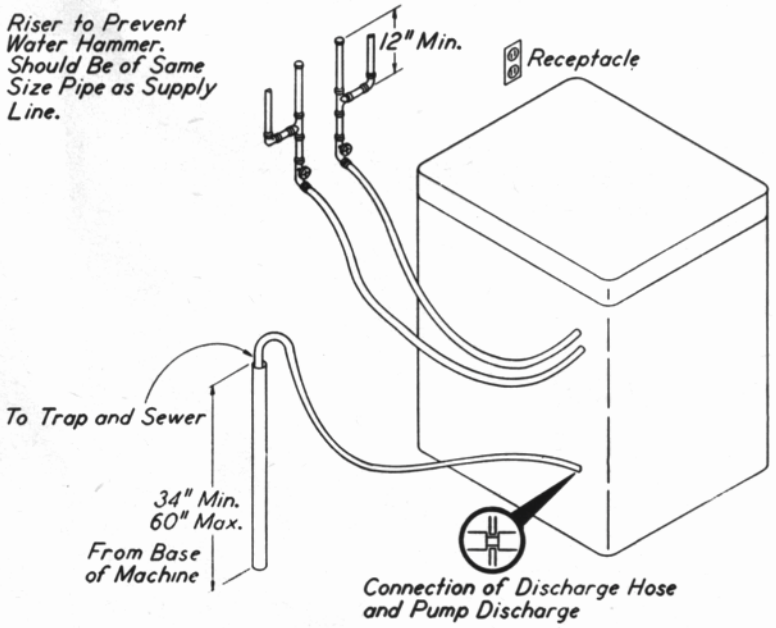

Riser to Prevent Water Hammer. Should Be of Same Size Pipe as Supply Line.
12" Min.
Receptacle
To Trap and Sewer
34" Min.
60" Max.
From Base of Machine
Connection of Discharge Hose and Pump Discharge

Figure 2.

INSTALLATION REQUIREMENTS:

1. Provide threaded faucets on Hot and Cold water supply lines within five (5) feet of the water inlets on the back of the machine.

2. SUDS RETURN MODELS — Provide a laundry tub of at least twenty (20) gallon capacity. The tub may be a double compartment type, as shown in FIGURE 1, or a single compartment type with a special standpipe assembly. Tubs are to be located directly at either side of the machine position as shown.

   NON-SUDS RETURN MODELS — If laundry tubs are not available for the disposal of discharge water, provide a standpipe, with a minimum diameter of two inches, to the drain as shown in FIGURE 2.

   NOTE: Any suitably trapped drain having a minimum carry-away capacity of fourteen (14) gallons per minute will meet the requirements of either the SUDS or NON-SUDS machine.

3. Provide a nominal 120 volt, 60 cycle, 15 amp. fused, common parallel blade receptacle within six (6) feet of the back of the machine.

Part No. 92453 Rev. A 1-59

Printed in U.S.A.

INSTALLATION PROCEDURE:

1. Remove the literature and miscellaneous parts from the machine basket. Remove the rear panel as shown in FIGURE 3. Remove the wooden shipping block from the inside of the rear panel. Remove the mechanism supports by removing the retainer from the gear case boss and then turning the supports out of the keyhole slots in the rear channel.

   These supports and the shipping block are for shipping purposes only. Save for use if the machine is ever moved to another residence.

2. To position the rear leveling mechanism, first lay the machine on its back. Remove the tape that holds each rear leveling foot assembly in position. Positioning of each foot should be done separately, FIGURE 4. Slide the left hand foot down until the pin is at the lower end of the diagonal slot, FIGURE 5. Next align the pin with the slot in the opposite side of the cage and twist the foot clockwise until the pin is crosswise in the cage, FIGURE 6. To position the right hand foot, use the same procedure. Note, however, that the cutout in the cage will be on the opposite side. Lubricate all contact areas of the assembly.

3. Turn a lock nut well down onto each front leveling foot. Place a washer over each lock nut and then thread the feet into the front corners of the machine.

4. Stand the machine upright and replace the rear panel.

5. SUDS RETURN MODELS — Assemble the Suds Return and Drain hoses, as shown in FIGURE 3, using furnished connectors at all connections. **Cut hoses to fit installation — avoid stretching or kinking** Remove cork or colored stopper from hose or two-way valve before installing drain hoses. Connect hoses to the outlets at the rear of the machine using furnished hose clamps at each outlet.

   NOTE: Be sure that the open end of the Drain hose is above the normal water level of the machine to prevent syphoning. UNDER NO CIRCUMSTANCES may the drain hose be connected directly to the drain unless a suitable syphon break is provided in accordance with the local plumbing code.

   NON-SUDS RETURN MODELS — Assemble the Drain hose as shown in FIGURE 3, using furnished connectors at all connections. **Cut the hose to fit the installation — avoid stretching or kinking.** Connect the hose to the pump discharge hose using the furnished hose clamp. See FIGURE 2. **Be sure that the open end of hose is above the normal water level of the machine.**

6. Connect the furnished hoses between the inlet valve and the faucets on the supply lines. Be sure that the hose from the hot water supply is connected to the hot water side of the inlet valve. **Use a filter washer in the ends of the hoses connected to the faucets and a hose washer in the ends of the hoses connected to the inlet valve. CAUTION: Do not deform filter washer screen.**

7. Connect one end of the ground wire to a back panel screw as shown. Connect the other end to the ground clamp and then fasten the clamp to **a cold water** pipe.

8. Move the machine to its permanent location. Level it from front to rear and from side to side by adjusting the front leveling feet. Tighten the lock nuts securely against the machine bottom after adjusting.

CAUTION: Remove cork or colored stopper from hose or two-way valve before installing drain hoses.

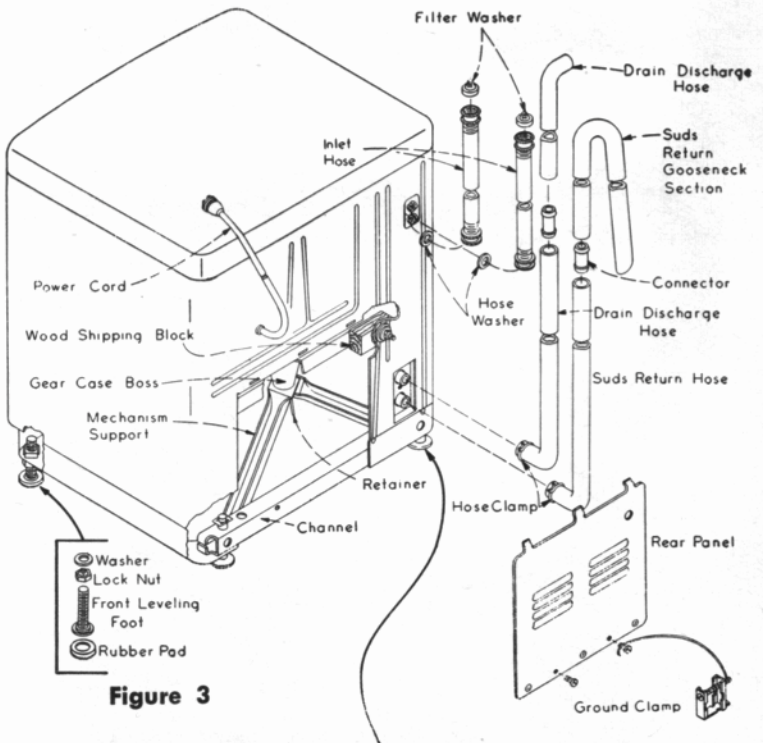


Figure 3

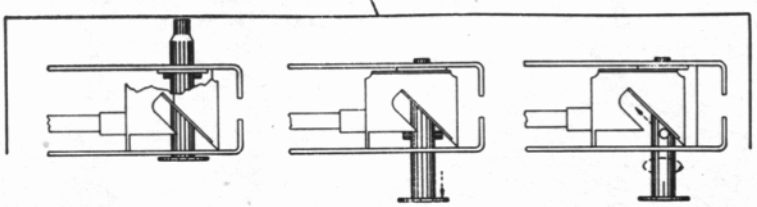


Figure 4 **Figure 5** **Figure 6**